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ENGLISH

APPROVAL OF UNCDF ASSISTANCE TO A PROJECT OF HAITI

IPF: (1987-91) $37 200 000
(HAI/91/C02) - Construction of a Micro-hydroelectric Plant at Saut-d'Eau

Date of approval by the AC: 1/	24 July 1991
Expected duration:	20 months
Proposed executing agency:	Electricity of Haiti (EHD) (Ministry of Public Works, Transport & Communication
Proposed UNCDF contribution:	$894 000
Source of funds:	UNCDF general resources
Total UNDP budget:	$894 000

Project background

The energy situation of Haiti is critical with resources being rapidly depleted. The consumption of fuel wood largely exceeds the capacity of regeneration of natural or replanted forests leading to serious environment degradation.

Although the production of electricity has increased by an average rate of 19 percent annually between 1970 and 1990 after the creation of the National Electricity Company (EDH), an autonomously managed Utility Company, the electricity per capita consumption of Haiti was only 90 kwh in 1990 compared to the world average of 1862 kwh. Moreover, the Port-au-Prince area is consuming 87 percent of the electricity produced in the country.

The thermic (fuel) plants contribute to 132 MW of a total electricity production of 190 MW, thus placing a very heavy burden on the Government limited foreign currency resources. Fuel represents the highest single item on the Government's budget and the country's largest import. Hydropower plants contribute to only 58 MW of total electricity generated in the country. The decreasing production of both thermic and hydro-power plants are due to aging diesel generators and silting up of hydro-power plants intakes due to erosion results in frequent power shortages in the capital.

The Government has decided to pursue a study undertaken by the Canadian Government to equip all potential sites with hydro-power plants and to provide 24 hours electric supply to all cities presently benefiting from part-time electricity through diesel generators.

1/ This Fact Sheet reflects the status of the project/revision at the time it was approved by the Action Committee; modifications to the project/revision have occurred subsequently.

It is within this context that the site of Saut d'Eau (waterfall) at Villa Bonheur was identified for the installation of a micro-hydro power plant.

Description of project

The project will consist of the construction of a micro-hydroelectric plant with an installed capacity of 100 kw, located at 1.5 km.West of the town of Saut-d'Eau. The St. Phard spring water will feed the plant at an all-year-round constant flow of approximately 300 1/s. The project will be composed of an intake, a pennstock, a small powerhouse to receive the electro-mechanical equipment, and a tailrace channel. The electric current will be transformed to a 23 KV voltage and transported through a 1.5 km.long electric line to the town of Saut-d'Eau, where the distribution network already exists.

Inputs

UNCDF will provide subcontracts for detailed design and works supervision; imported materials for civil works; imported electro-mechanical equipment; subcontracting enterprises for all civil works; one vehicle and its operating costs; and missions.

The Government will provide salaries, offices and expenses of the national staff composing the project unit; and installation of the elctro-mechanical equipment.

Financial data

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Missions	80 000
Subcontracts detailed design & supervision & civil works	361 000
Imported material for civil works & imported electro-mechanical equipment	234 000
Transport & Insurance	30 000
Transportation Equipment	20 000
Operation and Maintenance	20 000
Contingencies and Cost escalation	100 000
Support Costs	49 000
Total	894 000

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